| DETECTOR LOOP INDUCTANCE CHART | | | | | | | | |
|--------------------------------|---|------------|-------------------|---|----------------------|-----------------|--|--|
| DETECTOR LOOP SYSTEM | ø | LOCATION | TURNS PER LOOP | INDUCTANCE READING (MICROHENRIES) | FREQUENCY (HERTZ) | J PIN STATUS | | |
| A | 2 | WB FAR | 6 | 449 | 28,803 | ON | | |
| В | 2 | WB STBR RL | 4 | 274 | 36,871 | OFF | | |
| С | 2 | WB STBR LL | 4 | 277 | 36,671 | OFF | | |
| D | 5 | WBLT | 4 | 803 | 21,538 | ON | | |
| E | 4 | NB RT | 4 | 399 | 30,555 | OFF | | |
| F | 4 | NB | 4 | 563 | 25,722 | ON | | |
| G | 6 | EB FAR | 6 | 689 | 23,252 | ON | | |
| Н | 6 | EB STBR RL | 4 | 327 | 33,751 | OFF | | |
| I | 6 | EB STBR LL | 4 | 330 | 33,597 | OFF | | |

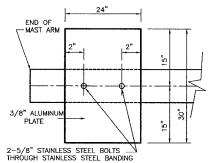
J PIN STATUS: "ON" MEANS STANDARD DETECTOR SETUP. "OFF" MEANS J WIRE HAS BEEN DISCONNECTED. BUT INTACT, AT THE HARNESS PANEL WITH THE NECESSARY SPADE CONNECTION ATTACHED, MARKED, AND INSULATED.

| STREET NAME | COMPONENT | NUMBER | WATTAGE EACH | BURNTIME % |
|----------------|-------------------|--------|-----------------|---------------|
| IL. RTE. 17 | RED | 7 | 10 | 45 |
| | YELLOW | 7 | 19 | 5 |
| | GREEN | 7 | 14 | 50 |
| | YELLOW ARROW-LT. | 2 | 9 | 5 |
| | GREEN ARROW-LT. | 2 | 3.4 | 15 |
| | YELLOW ARROW-RT. | 2 | 3.4 | 5 |
| | GREEN ARROW-RT. | 2 | 3.4 | 28 |
| LOWE ROAD | RED | 3 | 10 | 62 |
| | YELLOW | 3 | 19 | 5 |
| | GREEN | 3 | 14 | 33 |
| | | | | |
| TRAFFIC SIGNAL | CONTROLLER | 1 | 6 | 100 |
| CABINET | VEHICLE DETECTORS | 9 | 4 | 100 |
| | BATTERY BACKUP | | | |

AGENCY RESPONSIBLE FOR ENERGY CHARGES: CITY OF KANKAKEE

NOTE:

DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.



MOUNT DAMPENING PLATE TO END OF EACH TRAFFIC SIGNAL MAST ARM.

LIGHT ON

DAMPENING PLATE DETAIL - TOP VIEW

 FA.P. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEETS NO.

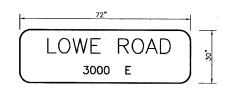
 330
 (1R)TS
 KANKAKEE
 22
 15

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT CONTRACT NO. 66416

ILLINOIS

TYPE A SHEETING REQUIRED 8" D SERIES LETTERS 1 SIGN REQUIRED = 9.00 SQ. FT. EACH = 9.00 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH ILLINOIS ROUTE 17



TYPE A SHEETING REQUIRED

8" D SERIES LETTERS

2 SIGNS REQUIRED = 15.00 SQ. FT. EACH

= 30.00 SQ. FT. TOTAL TYPE A SHEETING REQUIRED

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH LOWE ROAD



R10 - 12 24" X 30"

TYPE A SHEETING REQUIRED
2 SIGNS REQUIRED = 5 SQ.FT. EACH
= 10 SQ.FT. TOTAL

THIS SIGN SHALL BE LOCATED 6"TO 12" TO THE RIGHT OF EACH 5 SECTION MAST ARM MOUNTED LEFT TURN SIGNAL AND DIRECTLY BELOW AND PARALLEL TO THE BACKPLATE OF EACH POST BRACKETED 5 SECTION LEFT TURN SIGNAL.

LIGHT ON MAST ARM MAST ARM DAMPENING DAMPENING PLATE PLATE 14' 3 SECTION 3 SECTION SIGNAL HEAD 3 SECTION SIGNAL HEAD SIGNAL HEAD 5 SECTION 5 SECTION SIGNAL HEAD SIGNAL HEAD (DESIGN LOAD ONLY) 30" X 72" (DESIGN LOAD ONLY) MAST ARM LENGTH: 38 FT. MAST ARM LENGTH: 22 FT. NOTE: ALL SIGNAL HEADS HAVE BACKPLATES NOTE: ALL SIGNAL HEADS HAVE BACKPLATES NORTHEAST CORNER SOUTHEAST CORNER NOT TO SCALE NOT TO SCALE

MAST ARM LOADING DIAGRAM

LIGHT ON MAST ARM

22'

3 SECTION

SIGNAL HEAD

(DESIGN LOAD

ONLY)

| DESIGNED | M.V.F. | |
|-----------|--------|--|
| CHECKED | J.L.S. | |
| DRAWN | J.M.M. | |
| CHECKED | M.V.F. | |
| OFFICINED | | |

DAMPENING PLATE

3 SECTION

SIGNAL HEAD

`- 24" X 30" SIGN

MAST ARM LENGTH: 46 FT.

HAVE BACKPLATES

NORTHWEST CORNER

NOT TO SCALE

NOTE: ALL SIGNAL HEADS

12'

5 SECTION

SIGNAL HEAD

IL ROUTE 17 AND CH 38 / LOWE ROAD TRAFFIC SIGNAL DETAILS FAP ROUTE 330, FAU ROUTE 6209 SEC. NO. (1R)TS KANKAKEE CÒUŃTY